

ABSTRACT OF THE DISCLOSURE

The present invention relates to a polyurethane compound which has particular utility as a potting compound for fan exit guide vane assemblies of commercial gas turbine engines. The polyurethane compound comprises a formulation of polyurethane prepolymers mixed with an aromatic amine curing agent (hardener) in a volumetric mix ratio in the range of from about 0.9:1 to about 1:1. The polyurethane prepolymer consists of a blend of different polyethers based on diphenylmethane diisocyanate (MDI). The amine curing agent is a blend of oligomeric diamines with an aromatic diamine with a catalytic component. Both of the blends, in an uncured state, are liquid at room temperature.